REPORT

on the

PUBLIC HEALTH

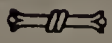
and

SANITARY CONDITIONS

of the

County of Merioneth

1943



"SEREN," OFFICE, BALA. TEL. 29.

REPORT

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PUBLIC HEALTH

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1943

MEDICAL DEPARTMENT,

COUNTY OFFICES,

DOLGELLEY,

To the Chairman, Aldermen and Councillors of the Merioneth County Council.

Mr. Chairman, Ladies and Gentlemen,—

I beg to submit the report on the Public Health and Sanita conditions of the County for the year 1943, the 42nd of the seri

It is difficult to know what to leave out under the circumstanc in which we live.

It is a real privilege to thank the ladies and gentlemen in t County who are interested in Medico-Social work and who willingly carry out this important voluntary work. If this we not so, much of that which has been done could not possib have been accomplished.

I would express my thanks for help and advice to the Ch man of the several Health Committees, the Clerk of the Cour Council, the Director of Education, my professional colleagu the District Medical Officers of Health, and the General Pr titioners, also the Sanitary Inspectors in the County.

The staff in the Medical Department, as always, have giv me loyal service.

I am,

Your Obedient Servant,

E. LEWYS-LLOYD,

County Medical Officer of Heal

Medical Officer's Report for 1943

OFFICERS OF THE AUTHORITY.

Dr. J. J. MacSorley resigned March, 1944 ; and

Dr. Dorothy Williams, B.Sc., M.B.Ch.B. (Wales), M.R.C.S., L.R.C.P., was appointed, and took up her duties on 18th April, 1944.

The Chairmen of the Committees are:—

Public Health and Housing:—Alderman R. T. Vaughan.

Maternity and Child Welfare:—Councillor Mrs. M. Richards.

Committee for the Care of the Mentally Defective:—Councillor Sir Charles Phibbs.

After-Care (Tuberculosis) Committee: — Councillor Thomas Lewis.

EXTRACT FROM VITAL STATISTICS

which are required in this short form.

		Total	*M*	*F*		
Live Births	Legitimate	542	274	268	Birth rate per 1,000 estimated resident population	14.67
	Illegitimate	64	31	33		
Still Births		18	10	8	Rate per 1,000 total live & still births ..	28.84
Deaths		625	308	317	Death rate per 1,000 estimated resident population	15.13

Deaths from puerperal causes headings 29 and 30 of the Registrar General's Short List :—

	Deaths	*Rate per 1,000 total live & still births*
No. 29 puerperal sepsis	..	..
No. 30 other puerperal causes	..	..
Total	..	..

Death rate of Infants under one year of age :—

All Infants per 1,000 live births	39.63
Legitimate infants per 1,000 legitimate live births	38.74
Illegitimate infants per 1,000 Illegitimate live births	46.87

Deaths from Cancer (all ages)	88
Deaths from Measles (all ages)	1
Deaths from Whooping Cough (all ages)	..
Deaths from Diarrhoea (under two years of age)	3

The population of the County was estimated to be 41,290; that of the Urban Districts 18,060, and the Rural District 23,230.

BIRTHS.

The number of births registered in the County during the year 1943 was 606, 305 boys and 301 girls, of which 542 were legitimate and 64 illegitimate, the percentage of illegitimate births to total birth being 10.56, a higher percentage than has been experienced for some years. The mean percentage for the years 1911—20 = 10.0, 1921—1930 = 8.0, and 1931—1940 = 6%.

For the year 1941 it was 6.0, for 1942 it was 5.7, and for 1943 it was 10.56%

This is common throughout the country and is not peculiar to this County. But it raises an important administrative problem which is brought to the attention of the Welfare Authority by the issue of Circular 2866 Wales by the Welsh Board of Health on the importance of the care of illegitimate children:—

> " It is clear that there can be no complete solution of the
> " problem, since every child needs both a father and mother,
> " affection, security and the shelter of a normal home " ;

and asks that voluntary agencies and Moral Welfare workers who have dealt with this problem should be invited to co-operate.

It is further suggested in the Circular that it will probably be desirable to arrange for a combination of areas, and in this direction in 1944 Conferences of the N.Wales County Councils and the Voluntary Agencies working in the area have been held, and further conferences are to be convened in the near future.

In Merioneth a temporary start has been made in 1944 by the occupation of a house for the purpose of taking in cases of mothers of illegitimate children. This is of course only temporary, pending the decision of the other counties on the question of the provision of larger premises.

TABLE I.

Showing the number of births, with birth rates in the County and in the several County Districts.

	No. of births, 1943			Birth rate per 1,000 of pop'n	*Illegitimate Births*		Mean Birth rate 10 years 1934
	Males	*Females*	*Total*		*No.*	*Rate per 1,000 popu'tion*	
Col. 1	2	3	4	5	6	7	8
England and Wales	..	..	..	16.5	..	..	
County of Merioneth.....	305	301	606	14.67	64	1.54	13
Total Urban Dist.	128	125	253	14.00	26	1.43	13
Total Rural Dist.	177	176	353	15.19	38	1.63	13
Urban Districts :							
Bala	9	8	17	12.01	2	1.41	12
Barmouth ..	35	18	53	18.53	2	0.70	13
Dolgelley ..	14	12	26	10.17	3	1.17	14
Festiniog	46	52	98	14.01	9	1.28	14
Towyn	24	35	59	13.92	10	2.36	10
Rural Districts :							
Deudraeth ..	74	63	137	19.06	15	2.08	14
Dolgelley	47	54	101	12.47	10	1.23	1
Edeyrnion ..	36	42	78	18.14	10	2.32	1
Penllyn.....	19	16	35	10.70	3	0.91	1
Pennal C.P. ..	1	1	2	5.26	..	..	1

DEATHS.

The total number of deaths of residents registered in the County in the year 1943 is 625; 308 males and 317 females; the general death rate for the County being 15.13, and the corresponding rate for England and Wales is 12.1.

The number of deaths and the death rate for each County district and for the County will be found in Table II.; the death rates for the years 1939—42 are added.

The principal causes of deaths will be found in Table IV. It is significant that the deaths from Pulmonary Tuberculosis instead of occupying the first or second place, is now relegated

to the seventh place. The death rate for all forms of Tuberculosis for the year is 0.77 per 1000 of population. The death rate from this disease for the last 10 years is as under:—

Year	*Death rate.*	*Year*	*Death rate.*
1934.....	0.96	1939.....	1.05
1935.....	0.94	1940.....	0.91
1936.....	1.07	1941.....	0.93
1937.....	1.31	1942.....	0.75
1938.....	1.00	1943.....	0.77

Tables are given in the report showing the numbers of deaths from all causes and the several causes in each of the County Sanitary district, and also by age groups in combined Urban and Rural areas.

TABLE II.

The death rates in the County and County Districts, are given in the following Table.

	1943			Death rates			
	Number of deaths		Death Rate 1943	Years			
	Males	Females		1939	1940	1941	1942
Col. 1	2	3	4	5	6	7	8
England and Wales	..	..	12.1	12.1	14.3	12.9	11.6
County of Merioneth	308	317	15.13	15.6	16.4	16.6	14.8
Total Urban Districts	140	162	16.72	15.9	17.8	17.6	15.2
Total Rural Districts	168	155	13.90	15.4	15.3	15.8	14.6
Urban Districts :							
Bala	8	16	16.96	11.1	15.4	18.3	25.0
Barmouth ..	16	18	11.88	16.5	18.7	15.4	15.2
Dolgelley ..	23	18	16.04	13.1	15.8	18.9	12.0
Festiniog ..	66	76	20.31	17.4	17.9	13.8	16.4
Towyn ..	27	34	14.39	14.6	16.7	15.9	11.6
Rural Districts :							
Deudraeth ..	45	36	11.27	15.5	12.8	14.4	13.0
Dolgelley ..	62	48	13.58	16.6	16.4	15.9	15.8
Edeyrnion ..	37	47	19.54	14.6	15.9	19.9	14.8
Penllyn ..	22	18	12.23	14.0	16.7	13.9	15.5
Pennal C.P. ..	2	6	21.05	11.2	27.3	12.6	10.2

TABLE III.

DEATH RATES FOR TOTAL T.B. PER 1,000 OF POPULATION.

Districts.	*1939*	*1940*	*1941*	*1942*
County of Merioneth...	1.050	0.91	0.93	0.75
Total Urban Districts...	1.039	0.80	0.95	0.89
Total Rural Districts	1.014	1.00	0.92	0.63
Urban Districts:—				
Bala	—	1.85	—	1.3
Barmouth	1.781	0.38	1.23	0.66
Dolgelley	—	0.79	1.45	0.75
Festiniog	1.670	1.20	1.05	1.23
Towyn	0.280	—	0.62	0.44
Rural Districts:—				
Deudraeth	1.345	1.36	1.27	1.06
Dolgelley	1.088	0.77	0.80	0.35
Edeyrnion...	0.465	0.24	0.89	0.45
Penllyn...	1.240	1.56	0.58	0.60
Pennal C.P.	—	2.70	—	—

TABLE IV.

The principal causes of death with the numbers will be found in the succeeding table

Causes of death.	Number of deaths. M	F	Total.	Number of deaths in Urban District	Rural D'trict	Perc'tage of total deaths in 1943.
Col 1.	2	3	4	5	6	7
Diseases of the Circulatory System	80	79	159	69	90	25.4
Heart Diseases	67	68	135	59	76	21.6
Cancer Malignant Disease	40	48	88	41	47	14.0
Cerebral Haemorrhage	25	44	69	40	29	11.0
Acute and Chronic Nephritis...	20	15	35	16	19	5.6
Influenza	14	19	33	14	14	5.3
Total deaths from Tuberculosis...	19	13	32	18	14	5.1
Deaths from Pulmon. Tuberculosis...	17	9	26	14	12	4.2
Pneumonia	10	4	14	8	6	2.2

CANCER (Malignant Disease).

The total number of deaths registered from Cancer in 1943 was 88, 40 males and 48 females, this being equivalent to a death rate of 2.13 per 1000 of the estimated population.

The age groups and sex of the cases in the Urban and Rural County districts are as under:—

	URBAN Districts		*RURAL Districts*	
Age Group	*Males*	*Females*	*Males*	*Females*
15 — 45	..	..	1	2
45 — 65	8	11	10	8
65 & upwards ..	10	12	11	15
Total	18	23	22	25

A Table is given showing the 'sites' of the Cancer in the various County districts with the death rate per 1,000 of population in each area.

TABLE V.

	Cancer of buccal cavity and oesophagus(M) uterus(F).		*Cancer of Stomach &duodenum.*		*Cancer of the breast.*		*Cancer all other sites.*		*TOTAL ALL SITES.*		*Death Rate per 1000 of popul.*
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Col.	2	3	4	5	6	7	8	9	10	11	12
County of Merioneth... ...	3	7	16	16	0	6	21	19	40	48	2.13
Total Urban Districts ...	3	2	5	8	0	2	10	11	18	23	2.27
Total Rural Districts ...	0	5	11	8	0	4	11	8	22	25	2.02
Urban Districts:—											
Bala...	0	0	0	0	0	0	3	2	3	2	3.53
Barmouth...	0	0	1	0	0	1	2	2	3	3	2.09
Dolgelley	0	1	1	4	0	0	0	0	1	5	2.34
Festiniog	2	0	3	4	0	0	3	4	8	8	2 28
Towyn	1	1	0	0	0	1	2	3	3	5	1.88
Rural Districts:—											
Deudraeth	0	0	2	1	0	2	1	1	3	4	0.97
Dolgelley	0	3	6	2	0	1	5	3	11	9	2.47
Edeyrnion...	0	1	2	1	0	0	2	2	4	4	1.86
Penllyn...	0	0	1	3	0	1	2	1	3	5	2.44
Pennal C.P.	0	1	0	1	0	0	1	1	1	3	10.52

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

Laboratory Service :

Two laboratories were established in 1939 as a War provision by the Medical Research Council, one stationed at Aberystwyth and one at Conway, both of which serve the County. They have proved a great boon and it is devoutly hoped that this service will be continued after the War.

Milk Samples to be examined for the presence of Tuberculosis continue to be sent to the Dairy Laboratories, Llanbadarn Road, Aberystwyth.

Ambulance facilities :

For Infectious cases.—The Ambulance provided at the temporary Isolation Hospital at Corwen is available in any part of the County.

For Non-infectious cases.—The two hospitals at Blaenau Festiniog and Towyn have their own ambulances.

Bala and Penllyn districts possess an ambulance stationed at Bala.

Edeyrnion Council also, which is stationed at Corwen.

Deudraeth Rural Council, in conjunction with Portmadoc Council, have an ambulance which is stationed at Cooke's Explosive Works, Penrhyndeudraeth.

Dolgelley Urban and Rural Councils, with Barmouth Urban Council, have obtained an ambulance which is stationed at Stokes' Garage, Dolgelley.

Nursing in the homes :

This in Merioneth is carried out by 18 District Nursing Associations who employ Queen's Nurses, State Registered Nurses, and "Village" Nurses and/or independent nurses, every one of whom is a State Registered Midwife.

All the local District Nursing Associations are affiliated to the County Nursing Association.

The County Council has delegated its duties under the Midwives Act 1936 to these bodies, and a Relief Midwife is provided. (In 1944 a second Relief Midwife was provided).

The annual grant now made to the County Nursing Association for these services is £2,000.

Other grants are made to the District Nursing Associations for other services rendered to the Council.

The non-medical Supervisor of Midwives is Mrs. Eleanor Owen, S.R.N., S.C.M., H.V. She is also the Superintendent Health Visitor and County Superintendent of general nursing.

Ante Natal and Post Natal Clinics :

In spite of great transport difficulties these are carried on regularly and are held alternately in the three voluntary hospitals of the County once every six weeks. They are very well attended.

For cases from Bala, Penllyn and Edeyrnion, special arrangements are made after consultation with the County Medical Officer.

The Medical Officer in charge is Mr. J. Gardiner Wigley, F.R.C.S. (Eng.).

Nine Clinics were held in the County during the year, three each at Blaenau Festiniog, Towyn and Dolgelley.

In addition 8 cases were seen by Mr. Wigley by special arrangements at Chester.

Venereal Diseases :

A treatment centre has been established at the Caernarvonshire and Anglesey Infirmary, Bangor, by the County Councils of Anglesey, Caernarvon and Merioneth jointly.

The Centre is opened for male patients Tuesdays 2 to 5 p.m., and for female patients Friday, 2 to 5 p.m.

Patients can also be seen at any official centre in the country.

Outfits for the collection of specimens can be obtained free of charge by any medical practitioner in the County on application to the County Medical Officer, Dolgelley.

Specimens should be sent to the Pathologist, The Thompson Yates Laboratory, The University Liverpool, and should reach the laboratory on a Thursday in any week.

Pathological Work.—These were examined at the Thompson Yates Laboratory for Wasserman test; 4 cases from the treatment centre, 4 from hospitals, and 21 from general practitioners.

At the Chester Royal Infirmary 3 cases for gonorrhoea and 2 for Wasserman reaction, and 4 cases from the Hospital for Women, Liverpool.

During 1944 a whole time officer was appointed for this work by the Joint Committee of the County Councils, but at the time of writing details of the allocation of this Officer's duties have not yet been finally settled.

Information with respect to the scheme can be obtained from the County Medical Officer, County Offices, Dolgelley.

TABLE VI.

SHORT TABULAR STATEMENT OF THE CASES TREATED AT THE BANGOR APPROVED CENTRE, 1943

	Syphilis		*Gonorrhoea*		*Non-Venereal*		*Total*		*Grand Total*
	M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	
Number of Cases under treatment or observation January 1, 1943	5	2	1	..	..	..	6	2	8
Number of cases dealt with for the first time during the year	..	..	2	..	..	5	..	..	7
Number of cases discharged during the year	5	1	2	..	..	5	7	6	13
Number who ceased to attend ..	..	1	..	..	..	..	..	..	1
Number of cases remaining under treatment or observation Dec. 31	..	..	1	..	..	..	1	..	1
Number of attendances for individual attention of M.O.	5	6	10	..	..	8	15	14	29
Aggregate number of 'inpatient' days of treatment given	..	..	18	26	..	..	18	26	44

HOSPITALS.

There is no change to report for 1943.

It is to be hoped that when hostilities cease a permanent infectious diseases hospital will be erected in a central position in the County. The experience gained with the temporary hospital at Corwen proves that this provision in the medical services of the County is needed and has proved a great boon.

PUBLIC ASSISTANCE.

The two Institutions at Dolgelley and Penrhyndeudraeth are in use as Public Assistance Institutions. Part of the latter Institution is set apart for the reception and treatment of mental defectives over 16 years of age.

Under the scheme of the Public Assistance Committee 5 cases were sent to hospitals during the year.

Name of Hospital at	*Cases sent* Male	Female
Cottage Hospital, Towyn	2	1
Orthopaedic Hospital, Gobowen	1	0
Royal Infirmary, Liverpool...	1	0
Total	4	1

INSTITUTIONAL PROVISION FOR THE CARE OF MENTAL DEFECTIVES.

A part of the Institution at Penrhyndeudraeth (Llys Ednyfed) has been set aside for the reception of certified mental defectives of low grade of both sexes over the age of sixteen years.

In addition to this the County Council has entered into agreement with the County Councils of Caernarvon and Montgomeryshire for the reception of children under 16 years to Institutions maintained by these authorities, and with the County Council of Denbighshire and the Incorporation of National Institutions for the admission of female cases over 16 years.

The County Council of Caernarvonshire has an agreement with the County Council for the reception of cases of both sexes to Llys Ednyfed.

MENTAL DEFICIENCY ACT 1913 to 1938.

Particulars of Mental Defectives as and on 31 December, 1943

Number of Mental Defectives subject to be dealt with.	*Males*	*Females*	*Total*
Under "orders"			
In Institutions:			
(*i*) Under 16 years of age ..	..	..	..
(*ii*) Aged 16 years and over..	14	17	31
Action not yet taken :	17	36	53
Reported to the Local Authority from any reliable source, but as to whom no action under the Acts has been taken	13	17	30

TABLE VII.

MATERNITY AND CHILD WELFARE.

Return made under the Midwives Act.

	Domiciliary Midwives.	*Midwives in Institutions.*	*TOTAL.*
1. Total number of Midwives practising at the end of the year in the area of the County Council:			
(a) Employed by the County Council	0	1	1
(b) Normally employed by other County Council but temporarily working in the area	0	0	0
(c) Employed by Voluntary Associations:—			
(i) under arrangements made with the Local Supervising Authority under Sect. 1 of the Midwives Act 1936	24	0	24
(ii) Others	0	5	5
(d) In private practice	11	0	11
TOTALS	35	6	41
2. Number of cases in the area attended during the year by Midwives:			
(a) Employed by the Council—			
as Midwives	0	0	0
as Maternity Nurses	0	0	0
(b) Employed by Voluntary Associations:			
(i) under arrangements made with the Local Supervising Authority under Sect. 1 Midwives Act 1936—			
as Midwives	257	0	257
as Maternity Nurses	118	0	118
(ii) Others—			
as Midwives	0	57	57
as Maternity Nurses	0	85	85
(c) In private practice—			
as Midwives	0	0	0
as Maternity Nurses	1	0	1
TOTALS —as Midwives	257	57	314
as Maternity Nurses	119	85	204

The number of cases of women who attended the Ante-natal and Post-natal Clinics of the Authority were 114.

Ante-natal cases...	73
Post-natal cases	41

The number of Clinics held were 9.

These Clinics are held at the Cottage Hospitals in the County —Blaenau Festiniog, Dolgelley and Towyn.

The cases from the Penllyn and Edeyrnion area are seen by special arrangement with Mr. Gardiner Wigley, F.R.C.S., the Obstetric Specialist of the Authority.

Medical Aid :

State Certified Midwives *must* call in a registered medical practitioner in all cases of illness of the patient or child or in any abnormality occurring during pregnancy, labour or puerperium.

Fees in accordance with a scale drawn up by the Ministry of Health are paid to a doctor called in as above by a midwife, but the County Council has power to recover the fee from the person liable to maintain the patient.

The number of Medical Aid forms issued by certified midwives during the year were:—

Ante-natal cases	28
Natal cases...	41
Post-natal cases	46
To baby...	10
Total	125

TABLE VIII.

NOTIFIED BIRTHS, 1943.

	No. of Births		*No. of Births notified by Doctors*	*No. of Births notified by State certified mid-wives*	*No. of cases attended by doctors & certified mid-wives*	*Notifications received from Registrars of births*
	Registered	*Notified*				
Col. 1.	2	3	4	5	6	7
County of Merioneth	606	509	7	308	194	..
Total Urban Dists	253	305	4	180	121	..
Total Rural Dists	353	204	3	128	73	..
Urban Districts :						
Bala	17	10	..	6	4	..
Barmouth ..	53	18	2	32	44	..
Dolgelley	26	47	..	28	19	..
Festiniog	98	78	1	68	9	..
Towyn	59	92	1	46	45	..
Rural Districts :						
Deudraeth ..	137	93	2	57	34	..
Dolgelley	101	39	1	25	13	..
Edeyrnion ..	78	52	..	34	18	..
Penllyn.....	35	20	..	12	8	..
Pennal C.P. ..	2	..	..	..	..	..

TABLE IX.

STILL BIRTHS.

giving the number of Still Births registered and notified, with Still Births rates per 1000 of estimated population and per 1000 total births (live and still births).

	Number of Still-births in Registrar General's Return	No. of cases of still-births notified by			Still birth rate per 1,000 of estimated population	Still-birth rate per 1000 Total Births (live and still Births)
		Medical Practioner	State certified Midwife	Registrar of Births		
Col. 1.	2	3	4	5	6	7
England and Wales	..	....	..	..	0.51	..
County of Merioneth.....	18	1	15	..	0.43	28.8
Total Urban Dist.	8	..	10	..	0.44	30.7
Total Rural Dist.	10	1	5	..	0.43	24.8
Urban Districts:						
Bala	2	..	1	..	1.41	105.3
Barmouth ..	1	..	1	..	0.35	18.5
Dolgelley	1	..	2	..	0.39	37.0
Festiniog	2	..	2	..	0.28	20.0
Towyn	2	..	4	..	0.47	32.8
Rural Districts :						
Deudraeth ..	5	1	1*	..	0.69	35.2
Dolgelley	2	..	1	..	0.25	19.4
Edeyrnion ..	..	..	3	..	..	..
Penllyn.....	2	..	..	..	0.61	54.1
Pennal C.P. ..	1	..	..	..	2.63	666.6

* 2 transfers from another County also.

TABLE X.

INFANT WELFARE CENTRES

Centre	No. of Meetings	*Total number of children in attendance*			*Average number of children in attendance*			*Number of children in attendance for the first time*		
		Total	Under one	One to five	Total	Under one	One to five	Total	Under One	One to five
Bala	25	153	128	25	6	5	1	19	18	1
Barmouth	24	666	341	325	28	15	13	45	32	13
Corwen ..	12	98	59	39	8	5	3	16	15	1
Dolgelley	19	227	53	174	12	3	9	13	10	3
Festiniog	21	478	272	206	23	13	10	55	43	12
Harlech ..	12	145	84	61	12	7	5	26	25	1
Penrhyn	24	741	360	381	31	15	16	38	34	4
Towyn ..	25	671	270	401	27	11	16	75	54	21
Traws-fynydd..	12	276	125	142	22	10	12	27	22	5
Total	174	3446	1692	1754				314	253	61

The above Tables will show the places in the County where Centres are held, with other particulars of children in attendance.

The reports from the Medical Officers who were in charge of the Centres pay high tribute to the energy and enthusiasm of the Honorary Secretaries and the lady members of the District Committees.

It is clear that without their help this work could not be carried on.

I find that in 1938 I wrote:—

> " Can not something be done with regard to the more rural
> " parts to bring the children to these Centres? By far the
> " largest number do not avail themselves of these facilities."

HEALTH VISITING. TABLE XI.

Showing the number of Health Visits paid by the part-time Health Visitors:—

Districts	*Visits to children 0–1 years of age*		*Visits to children 1–5 years of age*	*Total Health visits to children 0–5*
	Primary Visits	*Total Visits*		
Aberdovey	29	76	127	103
Bala	41	167	332	499
Barmouth	40	140	176	316
Corris	7	38	58	96
Corwen	63	181	276	457
Dinas Mawddwy	11	29	46	75
Dinmael	13	28	30	58
Dolgelley	39	167	419	586
Dyffryn	16	54	86	140
Fairbourne	21	54	89	143
Festiniog	78	281	600	881
Harlech	37	82	168	250
Llanbedr	19	54	50	104
Llanegryn	12	43	67	110
Maentwrog	7	48	73	121
Penrhyndeudraeth	36	108	181	289
Towyn	63	133	161	294
Trawsfynydd	26	167	159	326
Totals	558	1850	3098	4948

Showing the rate per 1,000 live births of the deaths of mothers in childbirth in the County, with similar rates for England & Wales

Period	*Puerperal Fever*		*Other accidents and diseases of Pregnancy*		*Totals of Columns 2 and 4 and 3 and 5*	
	Merionethshire	*England and Wales*	*Merionethshire*	*England and Wales*	*Merionethshire*	*England and Wales*
Col. 1.	2	3	4	5	6	7
1911–1915 ..	2.6	1.5	5.4	2.3	8.0	3.6
1916–1920 ..	1.3	1.6	4.3	2.3	5.6	3.9
1921–1925 ..	1.8	1.6	2.7	2.5	2.7	4.1
1926–1930 ..	1.7	1.7	3.8	2.5	5.5	4.3
1931–1935 ..	2.2	1.8	5.1	2.4	6.8	4.3
1936–1940 ..	0.8	0.9	3.0	2.1	3.7	3.0
1941 ..	1.6	0.5	1.6	1.7	3.2	2.2
1942 ..	..	0.4	1.6	1.6	1.6	2.01
1943 ..	..	0.7	..	1.6	..	2,1

INFANT MORTALITY.

For the first time since 1911 the Infant Mortality rate has been lower than that of England and Wales, being 40 per 1000 births for Merioneth and 49 for England and Wales.

The Neo-natal death rate is 18 per 1000 births, and the rate for children dying under one week is 15 per 1000 births. Stated in another way, this means that of 606 children born in Merioneth in 1943, 9 died in the *first week* of life, 2 died aged *1 week to 4 weeks* and 13 children died *4 weeks to 12 months*, making a total of 24 children who died under 12 months.

In previous reports attention has been called to the relatively high neo-natal death rate, that is, deaths of infants in the first four weeks of life.

Since 1911 infant mortality as a whole has been decreasing steadily. In the years 1911—20 it was 89 per 1000 births, in 1921—30 it was 74, in 1931—1940 it was 60, and the first three years of the present decennium it is 59. But if this infant death rate is further analysed into the neo-natal rate, and the rate one to 12 months, we find that the death rate of infants *one month to 12 months* shows a marked decline. In the first decennium (1911—20) it was 54 per 1000 births, in the years 1921—30 the rate was 40, in 1931—40 it was 26, and in the first three years of the present decennium it was 22.

On the other hand, the neo-natal death rate shows no decrease, being 35 per 1000 births for the first decennium (1911—20), 34 for the second decennium, 34 for the third decennium, and 37 for the first three years of the present period.

TABLE XII.

INFANT MORTALITY, 1943

	Number of deaths of Infants at the different age periods											
	Under 1 week	*1 to 2 weeks*	*2 to 3 weeks*	*3 to 4 weeks*	*T'tal under 4 wks (1m'th)*	*4 weeks and under 3 months*	*3 months and under 6 months*	*6 months and under 9 months*	*9 months and under 12 months*	*Total 1–12 months*	*Total under 12 months*	*Infant mortality rate per 1,000 births*
Col. 1.	2	3	4	5	6	7	8	9	10	11	12	13
England & Wales												49.
County of Merioneth	9	..	..	2	11	5	3	3	2	13	24	39.6
Total Urban Dists.	4	..	..	2	6	4	3	1	1	9	15	59.3
Total Rural Dists.	5	..	..	..	5	1	..	2	1	4	9	25.5
Urban Dists. :												
Bala		..	..	..	..	1	..	..	..	1	1	58.8
Barmouth ..		..	..	..	..	1	..	..	..	1	1	18.9
Dolgelley	1	..	..	..	1	1	1	..	..	2	3	115.4
Festiniog	1	..	..	1	2	1	2	1	1	5	7	71.4
Towyn	2	..	..	1	3	..	..	..	..	..	3	50.8
Rural Dists. :												
Deudraeth	1	..	..	..	1	..	..	..	1	1	2	14.6
Dolgelley	2	..	..	..	2	..	..	1	..	1	3	29.7
Edeyrnion	1	..	..	..	1	..	..	1	..	1	2	12.8
Penllyn	1	..	..	..	1	1	..	..	..	1	2	85.7
Pennal C.P. ..	..	..	..	..	..	..	..	..	..	..	..	

Showing the causes of death and number of infants who died under one year of age in the several County Districts, 1943

Cause of Death	URBAN AREAS						RURAL AREAS							
	Bala	Barmouth	Dolgelley	Festiniog	Towyn	Total Urban Districts	Deudraeth	Dolgelley	Edeyrnion	Penllyn	Penmal C.P	Total Rural Districts	Total County
Col. 1.	2	3	4	5	6	7	8	9	10	11	12	13	14
1 Diphtheria	..	..	..	..	..	..	..	..	1	..	..	1	1
2 Measles	..	..	..	..	..	..	..	..	..	..	..	..	..
3 Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..
4 Bronchitis	..	..	..	2	..	2	..	..	..	..	..	..	2
5 Pneumonia	1	..	1	1	..	3	1	1	..	..	..	2	5
6 Meningitis	..	..	..	1	..	1	..	..	..	..	..	..	1
7 Gastro-enteritis	..	1	..	2	..	3	1	..	..	..	..	1	4
8 Marasmus	..	..	..	..	..	..	..	..	..	..	..	..	..
9 Convulsions	..	..	..	..	..	..	..	1	..	..	..	1	1
10 Prematurity	..	..	..	..	2	2	..	1	1	..	..	2	4
11 Difficult Labour	..	..	..	..	..	..	..	..	..	..	..	..	..
12 Congenital causes	..	..	..	..	..	..	..	..	..	2	..	2	3
13 Other defined diseases	..	..	1	..	..	1	..	..	...	..	..	..	2
14 Uncertified	..	..	..	1	1	2	..	..	..	..	..	..	..
15 Coroners Certificate	..	..	..	..	..	..	..	..	..	..	..	..	1
	..	..	1	..	..	1	..	..	..	..	..	..	..
Totals....	1	1	3	7	3	15	2	3	2	2	..	9	24

TABLE XIV.

Giving the causes of deaths of infants under one year and ages at death, 1943

Causes of death	Numbers of deaths of infants at the several age periods										
	Under one week	1 to 2 weeks	2 to 3 weeks	3 to 4 weeks	Total under 4 weeks (1 m'th)	4 weeks and under 3 months	3 months and under 6 months	6 months and under 9 months	9 months and under 12 months	Total 1—12 months	Total under 12 months
Col. 1.	2	3	4	5	6	7	8	9	10	11	12
1 Diphtheria	..	..	..	..	..	..	..	1	..	1	1
2 Measles	..	..	..	..	..	..	..	..	..	..	..
3 Whooping Cough	..	..	..	..	..	..	..	..	..	..	..
4 Bronchitis	..	..	..	1	1	..	1	..	..	1	2
5 Pneumonia	1	..	..	..	1	2	..	2	..	4	5
6 Meningitis	..	..	..	..	..	..	..	..	1	1	1
7 Gastro-enteritis	..	..	..	..	...	2	1	..	1	4	4
8 Marasmus	..	..	..	..	..	..	..	..	..	..	..
9 Convulsions	1	..	..	..	1	..	..	..	..	..	1
10 Prematurity	3	..	..	1	4	..	..	..	..	..	4
11 Difficult Labour	..	..	..	..	..	..	..	..	..	..	..
12 Congenital causes	2	..	..	..	2	1	..	..	..	1	3
13 Other defined diseases	2	..	..	..	2	..	..	..	..	..	2
14 Uncertified	..	..	..	..	..	..	..	..	..	..	..
15 Coroners Certificate	..	..	..	..	..	..	1	..	..	1	1

ORTHOPAEDIC SCHEMES.

The work of these schemes has not abated during the years of war, and the following table is inserted in the report with a great deal of pride in the effective work carried out by the Voluntary and Official Schemes in force in the County. The thanks of the community is certainly due to the ladies who attend the Voluntary Centres for their care of the official cases. It shows what can be done, given hearty good will and co-operation by Voluntary and Official Schemes carried on side by side.

The Orthopaedic Hospital at Gobowen as usual has co-operated well with us in the County of Merioneth.

THE ROBERT JONES AND AGNES HUNT ORTHOPAEDIC HOSPITAL, GOBOWEN, OSWESTRY.

Table showing the number of cases treated at After-care Clinics during the year 1943, and the number of attendances made by such patients:—

Scheme	On books 1:1:43	Admitted during 1943	Total treated	Discharged during 1943	On Books 31:12:43		
					Active treatment	Appliance supervision	Attendances
Maternity & Child Welfare (under 5)	29	26	55	22	33	—	104
School Medical Service (5—16) ...	107	79	186	59	126	1	481
Volun. Orthopaedic Association (16 & upwards)	148	106	254	102	125	27	469
TOTALS ...	284	211	495	183	284	28	1054
					312		

Age Transfers.—During the year 11 patients attained the age of 5 years, and 7 patients the age of 16 years. These are included in both age groups in which they were treated; therefore, the correct number of *patients* treated is 477.

In addition, 24 cases were examined by the Surgeons for whom treatment was not advised. This brings the total attendances to 1,078.

PREVALENCE OF AND CONTROL OVER INFECTIOUS AND OTHER DISEASES.

Diphtheria :

As will be seen from the Tables, 31 cases of Diphtheria were notified during the year.

Immunisation against Diphtheria.

The immunisation of children ages 1—15 against Diphtheria has been delegated by the County District Councils to the County Council, and tables are given showing the amount of work done during 1943 and in previous years.

TABLE XV.

NUMBERS IMMUNISED IN 1943.

District.	*Immunised by C.C. Med. Officers.*	*Immunised by other doctors.*	*Total.*
Urban District:—			
Bala	19	0	19
Barmouth...	130	8	138
Dolgelley	24	10	34
Festiniog...	126	10	136
Towyn...	58	15	73
Rural District:—			
Deudraeth	116	7	123
Dolgelley	176	37	213
Edeyrnion	74	7	81
Penllyn	54	35	89
Totals	677	120	906

NUMBERS OF CHILDREN IMMUNISED AGAINST DIPHTHERIA UP TO 31st DECEMBER, 1943.

	Immunised by C.C. Officer			Immunised by other Doctors			TOTALS		
	Ages 1 to 5	Ages 5–15	Total	Ages 1—5	Ages 5–15	Total	Ages 1—5	Ages 5–15	To-tal
Urban Districts:—									
Bala	43	158	201	—	—	—	43	158	201
Barmouth	60	306	366	47	19	66	107	325	432
Dolgelley	76	269	345	8	181	189	84	450	534
Festiniog	264	1127	2391	4	38	42	268	1165	1433
Towyn...	107	387	494	22	107	129	129	494	623
Rural Districts:—									
Deudraeth	237	848	1085	51	106	157	288	954	1242
Dolgelley	195	992	1187	68	152	220	263	1144	1407
Edeyrnion	106	460	566	2	60	62	108	520	628
Penllyn	118	415	533	86	24	110	204	439	643
	1206	4962	6168	288	687	975	1494	5649	7143

It will be obvious that as the children reach 15 years of age they will be removed from the lists, and accordingly an attempt has been made to find out what children of 15 years and over have been immunised.

IMMUNISATION OF CHILDREN OF 15 YEARS AND OVER AS AND ON DECEMBER 31st, 1943.

District.	*Immunised by C.C. Med. Officers.*	*Immunised by other doctors.*	*Total.*
Urban District:—			
Bala	43	0	43
Barmouth...	34	0	34
Dolgelley...	39	1	40
Festiniog...	265	0	265
Towyn...	61	0	61
Rural Districts:—			
Deudraeth	193	0	193
Dolgelley...	179	15	194
Edeyrnion	89	9	98
Penllyn	110	0	110
Total	1013	25	1038

TABLE XVI.

INFECTIOUS DISEASES

The number of cases of infectious diseases notified from each County district will be found in the following table:

	Scarlet Fever			*Diphtheria*			*Whooping Cough*			*Measles*	
	No. of cases	*Incidence per 1,000 of population*	*No. of deaths*	*No. of cases*	*Incidence per 1,000 of population*	*No. of deaths*	*No. of Cases*	*Incidence per 1,000 of population*	*No. of Deaths*	*No. of Cases*	*Incident per 1,000 of population*
Col. 1	2	3	4	5	6	7	8	9	10	11	12
England & Wales	..	3.01	..	..	0.88	..	..	2.54	..	..	9.88
County of Merioneth	49	1.18	1	31	0.75	5	25	0.61	..	218	5.27
Total Urban Dist.:	12	0.66	1	6	0.33	4	19	1.05	..	52	2.87
Total Rural Dist.:	37	1.59	..	25	1.07	1	6	0.26	..	166	7.14
Urban Districts:											
Bala	6	4.24	..	..	..	..	..	..	..	..	..
Barmouth ..	1	0.35	..	..	..	1	..	..	..	4	1.39
Dolgelley ..	2	0.78	..	..	..	..	9	3.52	..	10	3.91
Festiniog ..	1	0.14	1	3	0.43	..	1	0.14	..	8	1.14
Towyn	2	0.47	..	3	0.70	3	9	2.12	..	30	7.07
Rural Districts :											
Deudraeth ..	4	0.55	..	2	0.27	..	..	..	..	85	11.82
Dolgelley ...	17	2.09	..	8	0.98	..	4	0.49	..	20	2.47
Edeyrnion ..	2	0.46	..	13	3.02	1	2	0.46	—	54	12.56
Penllyn ..	12	3.66	..	2	0.61	..	..	..	..	7	2.14
Pennal C.P. ..	2	5.26	..	..	..	..	..	..	..	..	..

ISOLATION HOSPITAL.

The temporary Isolation Hospital at Colomendy, Corwen, is proving of great value to the community. It is set apart for the reception and treatment of cases of Diphtheria and Scarlet Fever.

The Sister-in-charge is Miss Twigg, S.R.N., and the part-time Medical Officer is the Medical Officer of Health for the area (Dr. D. R. Edwards, Corwen).

TABLE XVII.

NUMBER OF CASES ADMITTED 1942

	SCARLET FEVER						DIPHTHERIA						TOTALS				
	Residents		Evacuees		Service		Residents		Evacuees		Service		Residents		Evacuees		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
County of Merioneth	5	16	..	5	1	1	9	12	..	1	1	..	14	28	..	6	2
Total Urban Dist. ..	2	5	..	1	..	1	2	1	..	..	..	..	4	6	..	1	..
Total Rural Dist. ..	3	11	..	4	1	..	7	11	..	1	1	..	10	22	..	5	2
Urban Dist. ..													2	2	..	1	
Bala	2	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	
Barmouth	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	
Dolgelley ..	..	3	..	..	..	..	..	..	..	..	..	..	1	1	..	..	
Festiniog ..	..	..	..	..	..	..	1	1	..	..	..	..	1	..	..	..	
Towyn ..	..	..	..	..	..	1	1	..	..	..	..	..					
Rural Dist. ..													2	1	..	1	
Deudraeth	1	1	..	1	..	..	1	..	..	..	..	..	2	7	..	1	1
Dolgelley ..	..	3	..	..	..	..	2	4	..	1	1	..	2	8	..	..	
Edeyrnion	..	1	..	..	..	..	2	7	..	..	..	..	4	6	..	3	
Penllyn ..	2	6	..	3	1	..	2	..	..	..	..	..	..	..	..	..	
Pennal C.P.	..	..	..	..	..	..	..	..	..	..	..	..					

TABLE XVIII.

VACCINATION AGAINST SMALL POX.

The following Tables have been taken from returns made to the Ministry of Health.

RETURN made respecting the Vaccination of Children whose Births were registered from 1st January to 31st December, 1942.

	SUB-DISTRICTS OF				
	Bala	Deu-d'eth	Dol-gelley	Fest-iniog	To-wyn
Number of births returned in the birth sheets as registered from Jan. 1 to Dec. 31, 1942	91	64	196	127	72
Number of those births duly entered by Jan. 31, 1944, as—					
Successfully vaccinated	60	18	38	4	55
Insusceptible of vaccination	—	3	—	—	1
Had Small pox	—	—	—	—	—
Number in respect of whom statutory declarations of conscientious objection have been received	12	24	21	45	3
Died unvaccinated	2	3	3	7	3
Postponed by Medical certificate	—	1	—	—	—
Removed from district	—	—	—	1	7
Removed to places unkown	—	3	—	1	—
Number of births remaining on 31 Jan. 1944 neither duly entered in the Vaccination Register nor temporarily accounted for	17	12	134	69	3
Total number of certificates and copies of certificates of successful primary vaccination of children under 14 received during 1943	83	10	22	4	72
Number of Statutory declarations of conscientious objection actually received by the Vaccination Officer during 1943	9	15	38	35	2

TABLE XIX.

VACCINATIONS 1943

Vacc. District	Name of Public Vaccinator	Number of successful primary vaccinations of persons			No. of successful re-vaccinat'ons made
		Under 1 year of age	1 year & upwards	Total	
Col. 1.	2	3	4	5	6
Bala	Robert Jones	10	7	17	0
Corwen	H. J. Satchwell...	42	2	44	1
Deudraeth	M. W. Rees	2	0	2	2
Dolgelley	H. D. Owen	15	0	15	5
Festiniog	J. W. Morris	—	—	—	—
Harlech...	R. Morris Williams ...	3	0	3	0
Llanaber	D. O. Williams	11	2	13	1
Llanegryn	J. A. Davies	29	0	29	1
Mallwyd...	H. D. Owen	—	—	—	—
Pennal	D. E. Davies	—	—	—	—
Talyllyn...	D. Mckenzie Crooks ...	—	—	—	—
Towyn	J. H. Marshall Lloyd...	51	5	56	2
Trawsfynydd ...	Gwennie Williams	—	—	—	—

TUBERCULOSIS.

The following tables give the number of deaths from Tuberculosis with the usual death rates, the number of new cases notified, and modified tables showing the numbers of cases admitted to Hospitals and Sanatoria of the Memorial Association.

The After-care Tuberculosis Scheme is being carried on satisfactorily. Reports of the visits to cases are considered once a quarter by the Committee.

There are now 188 cases in receipt of some form of benefit.

The Official Scheme of the Ministry (266/T) is being administered by the same Committee, and there are at present 46 cases on this list.

TABLE XX.

Showing the numbers of deaths from Tuberculosis in the several County Districts with the "phthisis" death rate, and the total tuberculosis death rate per 1000 of population.

	1943 Deaths from Tuberculosis.							
	Number of Deaths		Death rate per 1,000 pop'tion		Total Tuberculosis death rate in the Years.			
	Pulmonary Cases	Non-Pulmonary Cases	Phthisis Death Rate	Total Tuberculous Birth Rate	1939	1940	1941	1942
County of Merioneth	26	6	0.62	0.77	1.05	0.91	0.93	0.75
Total Urban Dist....	14	4	0.77	0.99	1.04	0.80	0.95	0.89
Total Rural Dist....	12	2	0.51	0.60	1.01	1.00	0.92	0.63
Urban Districts:								
Bala						1.85		1.30
Barmouth	1	1	0.35	0.69	1.78	0.38	1.23	0.66
Dolgelley	2	—	0.78	0.78	—	0.79	1.45	0.75
Festiniog	11	3	1.57	2.00	1.67	1 20	1.05	1.23
Towyn	—	—	—	—	0.28	—	0.62	0.44
Rural Districts:								
Deudraeth...	4	—	0.55	0.55	1.35	1.36	1.27	1.06
Dolgelley	4	—	0.49	0.49	1.09	0.77	0.80	0.36
Edeyrnion	2	2	0.46	0.93	0.47	0.24	0.89	0.45
Penllyn...	2	—	0.61	0.61	1.24	1.56	0.58	0.60
Pennal C.P.	—	—	—	—	—	2.70	—	—

TABLE XXI.

TUBERCULOSIS.

New cases of and mortality from Tuberculosis. The figures are taken from the notifications received from the District Medical Officers of Health and from the death returns received from the several Registrars during 1943.

Age Periods	*New Cases*				*Deaths*			
	Respiratory		*Non-respiratory*		*Respiratory*		*Non-respiratory*	
	Males	*Females*	*Males*	*Females*	*Males*	*Females*	*Males*	*Females*
Col. 1	2	3	4	5	6	7	8	9
0–1	1	..	..	..	..	..	1	..
1–5	..	1	..	1	..	..	..	..
5–10	2	..	2	..	..	..	..	..
10–15	..	2	..	..	..	1	..	..
15–20	5	1	..	3	..	..	..	1
20–25	5	5	..	2	2	1	..	..
25–35	8	6	..	1	..	3	..	..
35–45	8	1	3	2	3	..	..	1
45–55	8	3	..	..	2	..	..	1
55–65	11	3	1	..	3	3	..	1
65 & up wards	7	1	..	..	7	1	1	..
Totals	55	23	6	9	17	9	2	4

NEW CASES EXAMINED BY THE TUBERCULOSIS OFFICER, 1943.

Number of New cases examined...	800
Number found tuberculous—Pulmonary	73
Non-Pulmonary..	14
Number found non-tuberculous...	609

TABLE XXII.

Cases sent to Hospital and Sanatoria

TUBERCULOSIS	RESIDENTIAL					
	HOSPITAL				SANATORIUM	
	PULMONARY		NON-PULMONARY		PULMONARY	
	Definite Pulmonary Tuberculosis	*Doubtful*	*Definite Non-Pulmonary Tuberculosis*	*Doubtful*	*Definite Tuberculosis*	*Doubtful*
In Institutions 1st day of January, 1942	12	1	3	2	12	4
Number admitted during the year 1942	45	3	8	0	17	9
Number transferred	..	..	..	..	..	1
TOTAL	57	4	11	2	29	14
Discharged Quiescent	4	..	5	..	6	..
,, Improved	21	..	2	..	3	..
,, No material Improvement	10	..	..	..	3	..
Doubtfully tuberculous *Discharged* as tuberculous	..	..	..	..	..	..
,, ,, ,, as non-tuberculous	..	3	..	2	..	1
,, ,, ,, as doubtfully tuberculous	..	1	..	..	..	5
Number who died in Institutions	5	..	...	..	1	..
Number transferred	...	..	..	..	1	1
Number in Institutions 31st December, 1943	17	..	4	..	15	7

Showing the ages at death from the several causes in Urban and Rural Districts

No.	CAUSES OF DEATH	URBAN AREAS												RURAL AREAS									
		All Ages		*under 1 year*		*1 and under 5 years*		*5 and under 15 years*		*15 and under 45 years*		*45 and under 65 years*		*65 years and upwards*		*All Ages*		*under 1 year*		*1 and under 5 years*		*5 and under 15 years*		*15 and under 45 years*		*45 and under 65 years*		*65 and upwards*	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
	ALL AGES	140	162	11	4	4	3	2	2	9	17	36	34	78	102	168	155	5	4	1	2	2	..	9	9	32	30	119	110
1	Typhoid & Paratyphoid Fevers	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	Cerebro-Spinal fever	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	Scarlet fever	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5	Diphtheria	1	3	..	..	..	..	1	..	..	3	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..
6	Tub. of respiratory system	10	4	..	..	..	..	..	1	2	2	3	1	5	..	7	5	..	..	..	..	..	..	3	2	2	2	2	1
7	Other forms of Tuberculosis	2	2	1	..	..	..	..	..	..	1	..	1	1	..	..	2	..	..	..	..	..	..	..	1	..	1	..	..
8	Syphilitic diseases	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	1	1	..
9	Influenza	3	11	..	..	..	..	..	..	..	1	2	1	1	9	11	8	..	..	..	..	..	..	..	..	1	3	10	5
10	Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
12	Accute Infantile encephalitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..
13	Cancer of buccal cavity Oesophagus (M), uterus (F)	3	2	..	..	..	..	..	..	..	..	..	2	3	..	..	5	..	..	..	..	..	..	..	..	..	3	..	2
14	Cancer of stomach & duodenum	5	8	..	..	..	..	..	..	..	..	4	3	1	5	11	8	..	..	..	..	..	..	..	..	6	2	5	6
15	Cancer of breast	..	2	..	..	..	..	..	..	..	..	..	..	..	2	..	4	..	..	..	..	..	..	..	1	..	2	..	1
16	Cancer of all other sites	10	11	..	..	..	..	..	..	..	..	4	6	6	5	11	8	..	..	..	..	..	..	1	1	4	1	6	6
17	Diabetes	2	..	..	..	..	..	1	..	1	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2
18	Intra cranial vascular lesions	16	24	..	..	..	..	..	..	1	1	4	8	11	15	9	20	..	..	..	..	..	..	..	1	2	3	7	16
19	Heart diseases	24	35	..	..	..	..	..	..	1	1	4	3	19	31	43	33	..	..	1	..	..	..	..	1	10	0	32	32
20	Other diseases of circulatory system	2	8	..	..	..	..	..	..	..	..	1	1	1	7	11	3	..	..	..	..	..	..	..	..	..	1	11	2
21	Bronchitis	11	6	1	1	..	..	..	..	..	..	2	1	8	4	13	9	..	..	..	..	..	..	..	..	1	2	12	7
22	Pneumonia	5	3	2	1	..	1	..	..	1	..	1	..	1	1	5	1	2	..	..	1	..	..	..	..	..	..	3	..
23	Other respiratory diseases	5	1	..	..	..	..	..	..	2	1	2	..	1	..	2	..	..	..	..	..	..	..	..	..	1	..	1	..
24	Ulcer of stomach & duodenum	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1	..	..
25	Diarrhoea under 2 years	2	1	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26	Appendicitis	3	1	..	..	..	..	..	..	..	..	3	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
27	Other digestive diseases	3	4	..	..	..	1	..	..	..	1	..	..	3	2	3	4	..	..	..	..	..	..	..	1	1	..	2	3
28	Nephritis	9	7	..	..	..	..	..	..	..	1	1	..	8	6	11	8	..	..	..	..	..	..	..	..	1	3	10	5
29	Puerperal & post abortion sepsis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30	Other maternal causes	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
31	Premature birth	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..
32	Congenital malformations birth injuries, infant diseases	3	1	2	1	1	..	..	..	..	..	..	..	..	..	1	3	1	3	..	..	..	..	..	..	..	..	..	..
33	Suicide	1	1	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
34	Road traffic accidents	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..
35	Other violent causes	5	3	1	..	2	1	..	..	1	1	..	..	1	1	4	1	..	..	..	..	..	..	2	..	1	..	1	1
36	All other causes	14	20	1	..	1	..	..	..	..	3	4	5	8	12	23	25	1	..	..	1	2	..	2	1	2	4	16	19

COUNTY OF MERIONETH.

TABLE giving the the numbers of mothers who die in childbirth with rates, the numbers of Still births and numbers of death of infants under one week, four weeks (Neonatal) and total infant mortality.

	MATERNAL MORTALITY							STILL BIRTHS.		INFANT MORTALITY.								
		No. of Deaths.		Rate per 1000 Live Births.		Total Maternal Mortality				Number of Deaths.				Rates per 1000 Live Births.			TOTAL INFANT MORTALITY.	
Year	No. of Live Births	From Sepsis	From other Puerperal causes	Sepsis	Other causes	Merioneth	England & Wales	No. Notified	No. registered	Rate per 1000 of Popul'ion	Rate per 1000 Live & Still Births	Under One week	No. under 4 weeks (Neonatal)	No. 4 weeks to 12 months	Total No. under 12 months	Under One week	Under 4 weeks Neonatal	1 to 12 months	Merioneth	England & Wales
Col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1911	882	4	3	4.5	3.4	7.9	3.9	...	...	...	...	15	29	63	92	17	33	71	104	130
1912	848	3	7	3.5	8.3	11.8	3.9	...	...	...	...	21	28	53	81	25	33	68	96	95
1913	814	4	6	4.9	7.4	12.3	4.0	...	...	...	...	9	20	56	76	11	25	69	94	108
1914	794	...	2	...	2.5	2.5	4.2	...	...	...	...	14	23	60	83	18	29	76	105	105
1915	757	...	4	...	5.3	5.3	4.2	...	...	...	...	22	33	53	86	29	44	70	114	110
1916	698	...	3	...	4.3	4.3	3.9	...	...	...	...	...	32	28	60	...	46	37	86	91
1917	611	2	2	3.3	3.3	6.5	3.7	...	...	...	...	18	26	22	48	29	43	36	79	96
1918	648	...	4	...	6.2	6.2	3.6	16	...	...	...	10	25	23	48	15	39	35	74	97
1919	630	...	2	...	3.2	3.2	4.2	21	...	...	...	12	16	23	39	19	25	37	62	89
1920	883	3	4	3.4	4.5	7.9	4.2	21	...	...	...	24	31	32	63	27	35	36	71	80
1921	844	1	3	1.2	3.6	4.7	3	34	...	...	...	23	31	39	70	27	37	46	83	83
1922	776	1	4	1.3	5.2	6.4	3.9	39	...	...	...	17	28	31	59	22	36	40	76	77
1923	772	1	4	1.3	5.2	6.5	3.6	38	...	...	...	21	27	32	59	27	35	41	76	79
1924	781	2	4	2.6	5.1	7.7	3.7	43	...	...	...	25	34	22	56	32	44	28	72	75
1925	725	2	4	2.8	5.5	8.3	3.8	38	...	...	...	20	26	26	52	28	36	36	72	75
1926	717	...	2	...	2.8	2.8	4.1	40	...	...	...	16	21	26	47	22	29	36	65	70
1927	722	2	4	2.8	5.5	8.3	4.1	34	...	...	...	16	18	26	44	22	25	36	61	69
1928	757	1	...	1.3	...	1.3	4.4	34	...	...	...	20	36	34	70	26	48	45	93	65
1929	669	2	4	3.0	6.0	9.0	4.3	37	39	0.58	55.1	15	20	27	47	22	30	40	70	74
1930	636	...	3	...	4.7	4.7	4.4	38	44	0.69	64.7	8	13	32	45	13	21	50	71	60
1931	668	2	2	3.0	3.0	6.0	4.1	33	33	0.49	47.1	14	19	15	34	21	29	22	51	66
1932	594	1	2	1.7	3.4	5.0	4.2	32	38	0.64	58.5	8	13	17	30	13	22	28	50	65
1933	581	1	2	1.7	3.4	5.2	4.4	41	46	0.79	73.4	14	17	15	32	24	29	26	55	64
1934	571	1	6	1.8	10.5	12.3	4.6	22	25	0.44	41.9	17	20	4	24	30	35	7	42	59
1935	564	...	3	...	5.3	5.3	4.1	31	33	0.79	55.3	19	23	16	39	34	41	28	69	57
1936	527 (I.M.)	...	1	...	1.9	1.9	3.8	21	23	0.56	41.8	15	28	19	37	28	53	36	70	59
1937	547	...	2	...	3.7	3.7	3.2	35	40	0.99	68.1	15	21	16	37	27	38	29	67	58
1938	517	2	1	3.9	1.9	5.8	3.1	32	35	0.87	63.4	15	19	12	31	29	37	23	60	53
1939	544	...	4	...	7.3	7.3	2.8	15	22	0.55	38.7	14	18	16	34	26	33	29	62	50
1940	529	...	...	...	...	...	2.2	26	23	0.55	41.6	9	17	18	35	17	32	34	66	55
1941	616 (I.M.)	1	1	1.6	1.6	3.2	2.2	17	18	0.40	28.4	23	32	14	46	37	52	23	75	59
1942	606	...	1	...	1.6	1.6	2.0	23	24		38.1	21	23	13	36	35	38	21	59	49
1943	606	...	...	...	...	...	1.95		18	0.43	28.8	9	11	13	24	15	18	22	40	49

No.	CAUSES OF DEATH	URBAN DISTRICTS												RRAL DISTRICTS											
		Bala U.D.		*Barmouth U.D.*		*Dolgelley U.D.*		*Festiniog U.D.*		*Towyn U.D.*		*Aggregate Urban Districts*		*Deudraeth R.D.*		*Dolgelley R.D.*		*deyrnion R.D.*		*Penllyn R.D.*		*Pennal C.P.*		*Aggregate Rural Districts*		*Aggregate County*	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
	ALL CAUSES	8	16	16	18	23	18	66	76	27	34	140	162	45	36	62	48	37	47	22	18	2	6	168	155	308	317
1	Typhoid & paratyphoid Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	Cerebro-spinal Fever	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
3	Scarlet Fever	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
4	Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5	Diphtheria	..	..	..	1	..	..	..	..	1	2	1	3	..	..	..	..	..	1	..	..	..	..	..	1	1	4
6	Tb. of Respiratory System	..	..	..	1	1	1	9	2	..	..	10	4	2	2	3	1	..	2	2	..	..	..	7	5	17	9
7	Other forms of Tuberculosis	..	..	..	1	..	..	2	1	..	..	2	2	..	..	..	..	..	2	..	..	..	..	..	2	2	4
8	Syphilitic diseases	..	..	..	..	..	1	..	..	..	..	..	1	1	..	..	1	..	..	..	..	..	..	1	1	1	2
9	Influenza	..	2	2	2	..	2	1	5	..	..	3	11	6	7	3	1	2	..	..	..	..	..	11	8	14	19
10	Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1
12	Acute Infantile encephalitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1
13	Cancer of the buccal cavity Oesophagus (M), uterus (F)	..	..	..	..	..	1	2	..	1	1	3	2	..	..	..	3	..	1	..	..	..	1	..	5	3	7
14	Cancer of Stomach and duodenum	..	..	1	..	1	4	3	4	..	..	5	8	2	1	6	2	2	1	1	3	..	1	11	8	16	16
		..	..	..	1	..	..	..	..	..	1	..	2	..	2	..	1	..	..	..	1	..	..	..	4	..	6
15	Cancer of breast	..	..	2	2	..	..	3	4	2	3	10	11	1	1	5	3	2	2	2	1	1	1	11	8	21	19
16	Cancer of all other sites	3	2	2	2	..	..	2	..	..	..	2	..	..	..	..	1	..	1	..	..	..	..	..	2	2	2
17	Diabetes	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	6	..	5	..	..	9	20	25	44
18	Intra cranial vascular lesions	..	..	1	2	1	2	11	14	3	6	16	24	4	2	4	7	17	11	4	2	..	2	43	33	67	68
19	Heart diseases	1	4	5	4	2	3	11	20	5	4	24	35	8	7	14	11	17	11	4	2	..	2	43	33	67	68
20	Other diseases of circulatory system	..	2	..	1	1	1	1	3	..	1	2	8	5	..	1	2	2	..	3	1	..	..	11	3	13	11
		..	1	..	1	5	1	4	2	2	1	11	6	5	7	5	..	2	1	1	1	..	..	13	9	24	15
21	Bronchitis	..	1	..	..	2	..	3	1	..	1	5	3	2	..	1	..	1	..	1	1	..	..	5	1	10	4
22	Pneumonia	..	1	..	..	1	..	4	..	..	1	5	1	..	..	2	..	..	..	..	..	..	..	2	..	7	1
23	Other respiratory diseases	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	1	..	..	..	..	..	1	..	2
24	Ulcer of stomach & duodenum	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	2	1
25	Diarrhoea under 2 years	..	..	1	..	..	..	1	1	..	..	3	1	..	..	..	1	..	..	..	..	..	..	..	1	3	2
26	Appendicitis	1	..	..	..	..	..	1	..	1	1	3	4	2	1	1	..	..	2	..	..	..	1	3	4	6	8
27	Other digestive diseases	..	..	3	..	..	..	..	4	..	..	9	7	3	4	4	3	..	1	3	..	1	..	11	8	20	15
28	Nephritis	1	2	1	2	3	..	1	3	3	..																
29	Puerperal and post abortion sepsis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30	Other maternal causes	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
31	Premature birth	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	1	..	2	..
32	Congenital malformations, birth injuries, infant diseases	..	..	..	..	1	..	1	..	1	1	3	1	..	..	..	1	..	..	1	2	..	..	1	3	4	4
		..	..	..	..	..	..	..	1	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1
33	Suicide	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
34	Road traffic accidents	..	..	..	..	..	..	..	..	1	1	5	3	..	..	2	..	1	1	1	..	..	..	4	1	9	4
35	Other violent causes	1	..	..	..	1	..	2	2	5	9	14	20	4	2	9	9	7	13	3	1	..	..	23	25	37	45
36	All other causes	1	2	..	..	4	2	4	7																		


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